Name of Work: Improvements to CC Roads and RCC Drains in Mallasandra Colony in Mallasandra Ward No.13 Shettyhalli Sub Division

Est .Cost Rs.50.00 Lakhs

Sl No	Description of Items	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300-3. Earthwork excavation by manual means in ordinary soil invoiving in average horizontal throw up to 2m & an average lift upto 1.5m , excavated surface leveled & sides neatly dressed , the disposed earth to be levelled neatly after breaking of clods complete as per specification MORTH/ Chapter 3. Page No. 142/ Item No. 19.1/ PWD SR 2016-17								
	For CC Drain	Cum							
	Shettihalli Mn Rd		1	215.00	1.00	1.00	215.00		
	1st Cross Rd		2	85.00	1.00	1.00	170.00		
	2nd Cross Rd		1	91.00	1.00	1.00	91.00		
	Pipe line Road		1	70.00	1.10	1.00	77.00		
	CC Road								
	Cross Rd Near School		1	67.50	1.76	0.35	41.58		
						Qty	**594.58**	**175.96**	**104622.30**
2	Removing B S Slab Drain And Stacking Page No25 Item No 5.32 PWD SR 2016-17								
	Shettihalli Mn Rd	**Sqm**	1	215.00	1.35		290.25		
	1st Cross Rd		2	85.00	1.35		229.50		
	2nd Cross Rd		1	91.00	1.35		122.85		
	Pipe line Road		1	117.10	1.35		158.09		
						Qty	**800.69**	**65.72**	**52621.02**
3	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2 Page No.12/ Item No. 4.3/ PWD SR 2016-17								
	For CC Drain	**Cum**							
	Shettihalli Mn Rd		1	215.00	1.10	0.15	35.48		
	1st Cross Rd		2	85.00	1.10	0.15	28.05		
	2nd Cross Rd		1	91.00	1.10	0.15	15.02		
	Pipe line Road		1	70.00	1.10	0.15	11.55		
							90.09		
	from using available coarse aggregates								
a	Available CA			67.57			**57.43**	**4443.52**	**255201.91**
	Balance Qty						32.66		
						Qty	**32.66**	**5159.02**	**168493.59**
4	KSSRB M400-7 Construction Of granular sub -base by providing coarse graded cushed stone aggregates of granite / trap / basalt material speading in uniform layers with motor grader on prepared surface,mixing by mix in place method with rotavator at OMC,and compacting with vibratory roller to achive the desired density. complete asper specification. **By mix in place method for Grading II Material** KSSRB Page No 156 Item No 20.6								
	CC Road	Cum							
	Cross Rd Near School		1	67.50	1.76	0.15	17.82		
						Qty	**17.82**	**1582.58**	**28201.58**

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Sl	Description of Items	Unit	No	L	B	D	Qty	Rate	Amount
5	KSRB 4-1.3 : Providing and laying in position plain cement **concrete of mix 1:4:8 with** OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2 Page No.12/ Item No. 4.3/ PWD SR 2016-17								
	CC Road	cum							
	Cross Rd Near School		1	67.50	1.76	0.15	17.82		
						Qty	**17.82**	**5159.02**	**91933.74**
6	Proveding and **Laying plain reinforced cement concrete** for side drains using m20 norminul mix concrete with OPC cement 300kgs. With 20mm and down size ganite metal course aggregates @0.69cum and fine aggregates @0.43cum machine mixed,well compacted for walls and bottom including centring,shuttring,cost of materails, HOM of machinaries. Complete Excluding cost of steel asper MORTH Specification no1500,1700,2200. Wall And Bottom thickness 15cm KSSRB Page No 265 Item No 37.59 and 37.59.2								
	For CC Drain Raft	Cum							
	Shettihalli Mn Rd		1	215.00	0.90	0.15	29.03		
	1st Cross Rd		2	85.00	0.90	0.15	22.95		
	2nd Cross Rd		1	91.00	0.90	0.15	12.29		
	Pipe line Road		1	70.00	0.90	0.15	9.45		
	For CC Drain Wall	Cum							
	Shettihalli Mn Rd		2	215.00	0.15	0.60	38.70		
	1st Cross Rd		4	85.00	0.15	0.60	30.60		
	2nd Cross Rd		2	91.00	0.15	0.60	16.38		
	Pipe line Road		2	70.00	0.15	0.75	15.75		
						Qty	**175.14**	**11032.48**	**1932228.55**
7	Cement concrete pavement. Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 with 25mm and down size graded granite metal coarse aggregates and fine aggregtes, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing) & spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction and longitudinal joints, including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, including curing, finishing to lines and grades as per drawing complete as per specifications.**M30 (at 360Kg per cum coarse aggregate @ 0.69cum and fine aggregate @**								
	CC Road	cum							
	Cross Rd Near School		1	67.50	1.76	0.15	17.82		
						Qty	**17.82**	**6217.96**	**110804.05**
8	KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3, TMT bars Fe 500. Page No. 17/ Item No. 4.46.2/ PWD SR 2016-17								
	Consider 60kg/Cum	Tn	1	**175.14**	60.0		10508.40		
						Qty	**10.51**	**64243.42**	**675198.34**

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Sl No	Description of Items	Unit	No	L	B	D	Qty	Rate	Amount
9	Providing & laying reinforeced cement precast slabs of mix CC 1:11/2:3 using 20mm & down size graded Granite metal using HYSD 10mm dia steel @ 100mm c/c both ways & Complete as per specfications.								
	For CC Drain Raft	Cum							
	Shettihalli Mn Rd	Sqm	1	215.00	0.90		193.50		
	1st Cross Rd		2	85.00	0.90		153.00		
	2nd Cross Rd		1	91.00	0.90		81.90		
	Pipe line Road		2	70.00	0.90		126.00		
						Qty	554.40	1957.00	1084960.80
						Total Construction Cost			4504265.87
	KRIDL Charges, Miscellaneous and Rounding off								495734.14
	Grand Total								5000000.00

Asst Engineer
Project Division Dasrahalli
BBMP

Asst Executive Engineer
Project Division Dasrahalli
BBMP

Executive Engineer
Project Division Dasarahalli
BBMP

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